RRR RRR RRR RRR	RRR RRR RRR RRR RRR			NNN NNN NNN NNN NNN NNN NNN NNN NNN NN	NN NNN NNNNNN NNNNNN NNNNNN NNNNNN	000000000 0000000000 000 000 000 000 0	000 000 000 000 000 000 000 000 000 00	FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF	FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
							000		
		UUU	UUU	NNN	NNN	000	000	FFF	FFF
RRR RRR		UUU	UUU	NNN	NNN	000	000	FFF	FFF
RRR RRR		UUU	UUU	NNN	NNN	000	000	FFF	FFF
	RRR	UUUUUUUUUUU		NMN	NNN	000000000		FFF	FFF
	RRR	UUUUUUUUUUU		NNN	NNH	00000000		FFF	FFF
RRR	RRR	UUUUUUUUUUU	UUUU	NNN	NNN	000000000)	FFF	FFF

_\$2

....

....

NN	DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	XX	I
		\$	

NDX VO4

VAX-11 Bliss-32 V4.0-742 [RUNOFF.SRC]NDXINI.BLI;1

0001 0 %TITL 0002 0 MODUL 0003 0 0004 0 0005 1 BEGIN 0006 1 0007 1 1 0008 1 ***** 0010 1 ** CO 0011 1 ** DO 0012 1 ** A 0013 1 ** TO 0015 1 ** OO 0016 1 ** TO 0017 1 ** CO 0018 1 ** OO 0019 1 ** TO 0019 1 ** TO 0020 1 ** TO 0021 1 ** TO

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FACILITY:
DSR (Digital Standard RUNOFF) /DSRPLUS DSRINDEX/INDEX Utility

ABSTRACT:
This module contains once only initialization code and global data.

ENVIRONMENT: Transportable

AUTHOR: JPK

CREATION DATE: December 1981

MODIFIED BY:

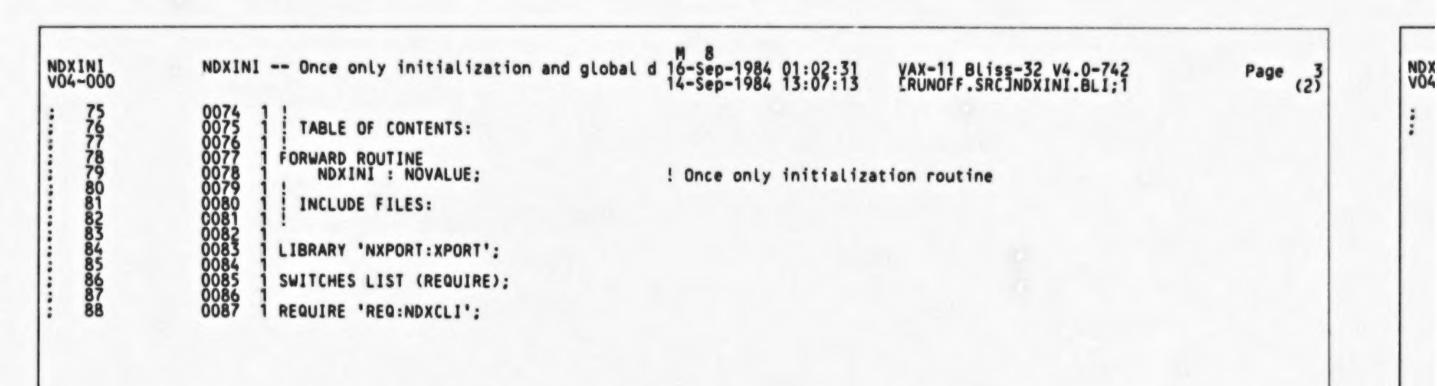
005

JPK00017 23-Feb-1983
Modified NDXINI to initialize the zero'th entries of LLINES, RLINES and TLINES which is where the telltale strings are stored by NDXFMT.
Modified NDXFMT to write appropriate prologue for /TELLTALE, save the appropriate lines for left and right telltales, and to mark the end of every entry with a NULL.
Modified NDXPAG to change the NULL following each entry to a space if LAYOUT is SEPARATE or to a comma otherwise and to generate and output telltales.

ND)

NDX IN I VO4-000	NDXINI One	ce only i	initialization and global d 16-Sep-1984 01:02:31 14-Sep-1984 13:07:13	VAX-11 Bliss-32 V4.0-742 [RUNOFF.SRC]NDXINI.BLI;1	Page (1
58 59 60 61	0058 1 ! 0059 1 ! 0060 1 !	004	JPK00015 04-Feb-1983 Cleaned up module names, modified revision histoconform with established standards. Updated cop	ory to yright dates.	
62 63 64 65 66 67 68	0058 1 0059 1 0060 1 0061 1 0062 1 0063 1 0064 1 0065 1 0066 1 0066 1 0068 1 0069 1 0070 1 0071 1 0072 1 0073 1	003	JPK00009 24-Jan-1983 Modified to enhance performance. The sort bucke been divided into 27 sub-buckets; 1 for each le for non-alphas. Removed reference to BUCKET from Definition of the structure was added to NDXPOL to BUCKET were changed in modules NDXOUT, NDXIN and NDXDAT.	ts have each tter and 1 m INDEX. . References I, NDXFMT	
76 71 73	0076 1 1 0071 1 1	002	JPK00005 24-Sep-1982 Removed definition of CHRFWD in NDXINI. No long	er needed.	

NEX VO4



NDX VO4

ND:

```
NDXINI -- Once only initialization and global d 16-Sep-1984 01:02:31 15-Sep-1984 22:53:19
NDXINI
VO4-000
                                                                                                                                                          VAX-11 Bliss-32 V4.0-742
_$255$DUA28:[RUNOFF.SRC]NDXCLI.REQ;1
    R0155
R0156
R0157
R0158
R0159
                                 NDXCMD_FIELDS
                            $FIELD_ndxcmd_fields = SET
     R0160
                                   NDX$V_OPTIONS
                                                                      = [$INTEGER],
     R0161
                                                                                                                ! Command option indicators:
     R0162
R0163
                                          SOVERLAY (NDX$V_OPTIONS)
     R0164
                                         NDX$V_INPUT_CONCAT
NDX$V_OUTPUT
NDX$V_REQUIRE
NDX$V_PAGES
NDX$V_OVERRIDE
NDX$V_STANDARD_PAGE
NDX$V_CONTINUATION
NDX$V_GUIDE
NDX$V_WORD_SORT
NDX$V_LOG
NDX$V_MASTER
NDX$V_PAGE_MERGE
NDX$V_TELLTALE
     R0165
                                                                                    = [$BIT]
                                                                                                                     Input file concatenated to previous
                                                                                    = [$BIT].
= [$BIT].
                                                                                                                    Generate output file
Require file specified
     R0166
     R0167
                                                                                    = [$BIT],
= [$BIT],
= [$BIT],
= [$BIT],
= [$BIT],
                                                                                                                    Include page references in index
Override master index information
     R0168
     R0169
                                                                                                                    Generate standard page numbers
Generate continuation headings
     R0170
                                                                                                                    Generate guide headings
Sort entries word by word
Generate /LOG message
     R0174
                                                                                    = [$BIT],
                                                                                                                    Generate a master index
Merge adjacent page references
     R0175
                                                                                    = [$BIT]
     R0176
                                                                                    = [$BIT]
                                          NDX$V_TELLTALE
     R0177
                                                                                                                    Generate telltale headings
     R0178
     R0179
                                          SCONTINUE
     R0180
                                                                      = [$SHORT_INTEGER].
= [$SHORT_INTEGER].
= [$SHORT_INTEGER].
= [$SHORT_INTEGER].
= [$INTEGER].
= [$INTEGER].
                                  NDX$H_FORMAT
NDX$H_LAYOUT
NDX$H_NONALPHA
     R0181
                                                                                                                    Output format: DSR, TMS, TEX
                                                                                                                   Output layout type
Treatment of leading nonalphas during sort
Deepest level to include in index
Column width
     R0183
                                  NDX$H_NONALPHA = NDX$H_LEVEL = NDX$G_COLUMN_WID = NDX$G_GUTTER_WID = NDX$G_RESERVE_LINES = NDX$G_RESERVE_LINES = NDX$T_MASTER_BOOK = NDX$T_INPUT_FILE = NDX$T_REQUIRE_FILE = NDX$T_RELATED_FILE =
     R0184
     R0185
     R0186
                                                                                                                    Gutter width
     R0187
                                                                          [$INTEGER].
                                                                                                                    Lines per page
Number of lines to reserve when requiring a file
     R0188
                                                                          [$INTEGER],
                                                                                                                   Width of reference portion of entry
! Book name descriptor for Master indexing
! Input file name descriptor
! Output file name descriptor
! Require file name descriptor
! Related file name descriptor is saved here
     R0189
                                                                          [$INTEGER]
     R0190
                                                                          [$DESCRIPTOR(DYNAMIC)
     R0191
                                                                          [$DESCRIPTOR(DYNAMIC)]
     R0192
                                                                          [$DESCRIPTOR(DYNAMIC)]
     R0193
                                                                          [$DESCRIPTOR(DYNAMIC)]
     R0194
                                                                      = [$DESCRIPTOR(DYNAMIC)]
     R0195
                                                                                                                        ty NDXINP for later use by MAKNDX
     R0196
                                   NDX$T_COMMAND_LINE = [$DESCRIPTOR(DYNAMIC)]
                                                                                                                       Copy of entire command line
     R0197
     R0198
                                   TES:
     R0199
                                 End of NDXCMD_FIELDS
                            LITERAL
                                   NDXCMD$K_LENGTH = $FIELD_SET_SIZE;
                                   $NDXCMD = BLOCK [NDXCMD$K_LENGTH] FIELD (NDXCMD_FIELDS) %;
                            SLITERAL
                                                                                                      Output formats (NDX$H_FORMAT)
                                   DSR
TMS11_A
                                                                     = $DISTINCT.
= $DISTINCT.
                                                                                                      Runoff
                                                                                                   ! TMS=A
```

NO

DXINI 04-000	NDXINI Once only	initialization and	global d 16-Sep-1984 01:02:31
R0212 1 R0213 1	TMS11_E	= \$DISTINCT: = \$DISTINCT:	! TMS=E ! TEX
R0212 1 R0213 1 R0214 1 R0215 1 R0216 1 R0217 1 R0218 1 R0219 1 R0220 1 R0221 1 R0222 1 R0223 1 R0223 1 R0224 1 R0225 1 R0227 1	SLITERAL TWO_COLUMN ONE_COLUMN SEPARATE GALLEY	= SDISTINCT. = SDISTINCT. = SDISTINCT: = SDISTINCT:	Output layouts (NDX\$H_LAYOUT) Normal two column format Normal one column format Separate reference format TMS11 Galley format
R0221 1 R0222 1 R0223 1 R0224 1	SLITERAL BEFORE AFTER IGNORE	= \$DISTINCT. = \$DISTINCT. = \$DISTINCT;	! Treatment of leading nonalphas during sort (NDX\$H_NONALPHA) ! Leading nonalphas sort before alphas ! Leading nonalphas sort after alphas ! Leading nonalphas are ignored

ND)

NDXINI -- Once only initialization and global d 16-Sep-1984 01:02:31 14-Sep-1984 13:07:13 NDXIN1 V04-000 VAX-11 Bliss-32 V4.0-742 [RUNOFF.SRC]NDXINI.BLI;1 Page (2) 89 90 0228 1 REQUIRE 'REQ:NDXXPL';

ND:

ND:

(1)

VAX-11 Bliss-32 V4.0-742 _\$255\$DUA28:[RUNOFF.SRC]NDXXPL.REQ;1

R0286

! Attributes options

SOVERLAY (XPLSV_OPTIONS)

```
ND
VO
```

```
NDXINI -- Once only initialization and global d 16-Sep-1984 01:02:31 15-Sep-1984 22:53:35
NDXINI
VO4-000
                                                                                                                                                        VAX-11 Bliss-32 V4.0-742
_$255$DUA28:[RUNOFF.SRC]NDXXPL.REQ;1
                                         XPL$V_VALID
XPL$V_BOLD
XPL$V_UNDERLINE
XPL$V_BEGIN
XPL$V_END
XPL$V_MASTER
XPL$V_PERMUTE
XPL$V_NOPERMUTE
XPL$V_APPEND
                                                                                      [$BIT],
[$BIT],
[$BIT],
[$BIT],
[$BIT],
[$BIT],
    R0287
R0288
R0289
R0290
R0291
R0293
R0294
R0297
R0298
R0299
R0300
R0301
                                                                                                                  Attributes block contains valid information.
                                                                                                                  Bold page reference.
Underlined page reference.
                                                                                   =
                                                                                   =
                                                                                   =
                                                                                                                  Begin page range.
                                                                                                                  End page range.
Master index entry.
                                                                                   =
                                                                                   =
                                                                                                                 Permute index entry.
Set if permute explicitly forbidden.
Set if SORT string present.
                                                                                       SBIT
                                                                                      [$8]1],
                                                                                                                  Set if append string present.
                                         SCONTINUE
                                  XPL$T_SORT
XPL$T_APPEND
                                                                     = [$DESCRIPTOR(DYNAMIC)],
= [$DESCRIPTOR(DYNAMIC)]
                                                                                                                     SORT string.
                                                                                                                     APPEND string.
     R0302
     R0303
                                  TES:
     R0304
R0305
                           LITERAL
     R0306
                                   XPL$K_LENGTH = $FIELD_SET_SIZE:
     R0307
     R0308
R0309
                           MACRO
                                  $XPL_BLOCK = BLOCK [XPL$K_LENGTH] FIELD (XPL_FIELDS) %;
     R0310
     R0311
     R0312
                               Macros for INDEX_ATTRIBUTES flags
     R0313
     R0314
                           MACRO
                                   XPLUS$V_VALID
     R0315
                                                                                                                attributes data is valid. page reference is bolded.
                                                                                     0000000000
                                                                                                    Set if
                                  XPLUSSV_VALID
XPLUSSV_BOLD
XPLUSSV_UNDERLINE
XPLUSSV_BEGIN
XPLUSSV_END
XPLUSSV_MASTER
XPLUSSV_PERMUTE
XPLUSSV_NOPERMUTE
XPLUSSV_SORT
XPLUSSV_APPEND
                                                                   = 0.
     R0316
                                                                                                    Set
                                                                  = 0.
     R0317
                                                                                                    Set
                                                                                                                page reference is underlined.
                                                                  R0318
                                                                                                                entry begins a page range.
entry ends a page range.
master index entry only.
entry is to be permuted.
                                                                                                    Set
     R0319
                                                                                                    Set
     R0320
                                                                                                    Set
     R0321
                                                                           6.
                                                                                                    Set
                                                                  = 0,
                                                                                                                permute is explicitly forbidden. entry contains a SORI string.
     R0322
                                                                                                    Set
     R0323
                                                                                                    Set
     R0324
                                                                                                    Set if entry contains an APPEND string.
     R0325
     R0326
                                                                     End of NDXXPL.REQ
```

NDXINI -- Once only initialization and global d 16-Sep-1984 01:02:31 14-Sep-1984 13:07:13 NDXINI V04-000 VAX-11 Bliss-32 V4.0-742 ERUNOFF.SRCJNDXINI.BLI;1 Page 11 (2) 91 0327 1 0328 1 REQUIRE 'REQ:NDXPO' ':

ND:

R0329 R0330 R0331 R0332 R0333 R0335

R0336 R0337

R0338 R0339 R0340 R0341

R0342 R0343

R0344 R0345

R0346 R0347

R0348

R0349

R0350

R0351 R0352 R0353 R0354 R0355 R0356 R0357

R0358

R0359 R0360 R0361

R0362 R0363 R0364 R0365 R0366 R0367 R0368 R0369 R0370

R0380 R0381 VAX-11 Bliss-32 V4.0-742 Page 12 \$255\$DUA28:[RUNOFF.SRC]NDXPOL.REQ;1 (1)

**

Version:

1 .

1.

'V04-000'

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FACILITY:
DSR (Digital Standard RUNOFF) /DSRPLUS DSRINDEX/INDEX Utility

ABSTRACT:
This file contains literals and macros defining the data structures found in the internal index pool

ENVIRONMENT: Transportable

AUTHOR:

JPK

CREATION DATE: January 1982

MODIFIED BY:

003 JPK00015

04-Feb-1983

Cleaned up module names, modified revision history to conform with established standards. Updated copyright dates.

002

JPK00009 24-Jan-1983

Modified to enhance performance. The sort buckets have each been divided into 27 sub-buckets; 1 for each letter and 1 for non-alphas. Removed reference to BUCKET from INDEX. Definition of the structure was added to NDXPOL. References to BUCKET were changed in modules NDXOUT, NDXINI, NDXFMT

and NDXDAT.

```
NDXINI -- Once only initialization and global d 16-Sep-1984 01:02:31 15-Sep-1984 22:53:26
NDXINI
V04-000
                                                                                                                  VAX-11 Bliss-32 V4.0-742 F
_$255$DUA28:[RUNOFF.SRC]NDXPOL.REQ;1
   R0386
R0387
R0388
R0389
                     ! Index entry
                    $FIELD XE_FIELDS =
   R0390
R0391
                         XESA_PREV
XESA_NEXT
XESA_SUBX
XESA_REF
XESA_TEXT
XESA_SORT_AS
XESH_SUBC
                                                      [$ADDRESS]
                                                                                      Link to previous item
   R0392
R0393
                                                       [$ADDRESS],
                                                                                      Link to next item
                                                       [SADDRESS],
                                                                                      Sub index pointer
   R0394
                                                       SADDRESS],
                                                                                      Reference pointer
   R0395
                                                                                     Pointer to text of index item
Pointer to SORT_AS string
                                                       [$ADDRESS],
   R0396
                                                       [$ADDRESS]
   R0397
                                                    = [$SHORT_INTEGER],
                                                                                     Sub index level
   R0399
                         XESV_FLAGS
                                                    = [$SHORT_INTEGER],
                                                                                   ! Entry flags
   R0400
   R0401
                               SOVERLAY (XESV_FLAGS)
   R0402
   R0403
                               XE$V_BARS
                                                              = [$BIT],
                                                                                   ! Change bar flag
   R0404
   R0405
                               SCONTINUE
   R0406
   R0407
                         XE$A_BOOK_LIST
                                                    = [$ADDRESS]
                                                                                   ! Master index book name list
   R0408
   R0409
                         SALIGN (FULLWORD)
   R0410
   R0411
                         TES:
   R0412
R0413
                    LITERAL
   R0414
                         XESK_LENGTH = $FIELD_SET_SIZE;
   R0415
R0416
                    MACRO
                         $XE_BLOCK = BLOCK [XE$K_LENGTH] FIELD (XE_FIELDS) %;
   R0417
   R0418
   R0419
                    ! End of Index entry
   R0420
   R0421
R0422
                    ! Reference entry
   R04
   R0424
R0425
R0426
R0427
                    SFIELD XX_FIELDS =
                                                   = [$ADDRESS].
                         XXSA_LINK
XXSA_APPEND
XXSH_PAGE
                                                                                     Link to additional entries
   R0428
R0429
R0430
                                                                                      APPEND text pointer
                                                   = [SADDRESS]
                                                    = [$SHORT_INTEGER],
                                                                                   ! Transaction number
                         XX$V_FLAGS
                                                   = [$SHORT_INTEGER],
                                                                                   ! Display attributes
                               SOVERLAY (XXSV_FLAGS)
                               XX$V_BOLD
XX$V_UNDERLINE
XX$V_BEGIN
XX$V_END
                                                   = [$BIT],
= [$BIT],
= [$BIT],
                                                                                     Bold page reference
Underline page reference
                                                                                      Begin page range
                                                                                     End page range
                               SCONTINUE
                          XX$A_BOOK
                                                    = [$ADDRESS]
                                                                                   ! Master index book name
```

```
ND:
```

```
NDXINI
VO4-000
                   NDXINI -- Once only initialization and global d 16-Sep-1984 01:02:31 15-Sep-1984 22:53:26
                                                                                                         VAX-11 Bliss-32 V4.0-742 P
_$255$DUA28:[RUNOFF.SRC]NDXPOL.REG;1
   R0443
R04445
R0446
R0447
R0448
R0449
R0451
R0453
R0454
R0455
                        SALIGN (FULLWORD)
                       TES:
                   LITERAL
                        XX$K_LENGTH = $FIELD_SET_SIZE:
                        $XX_BLOCK = BLOCK [XX$K_LENGTH] FIELD (XX_FIELDS) %;
                   ! End of Reference entry
                   ! Master index book reference entry
   R0458
R0459
                   $FIELD XM_FIELDS =
   R0460
   R0461
   R0462
                        XMSA_LINK
                                                = [$ADDRESS],
= [$ADDRESS]
                                                                             ! Link to additional entries
   R0463
                        XMSA_BOOK
                                                                             ! Pointer to book name
   R0464
   R0465
                       TES;
   R0466
   R0467
                   LITERAL
   R0468
                       XMSK_LENGTH = SFIELD_SET_SIZE;
   R0469
   R0470
   R0471
                       $XM_BLOCK = BLOCK [XM$K_LENGTH] FIELD (XM_FIELDS) %;
   R0472
   R047
                   ! End of Master index book reference entry
   R0474
   R0475
   R0476
                   ! Current Entry
   R047
   R0478
                   $FIELD C_FIELDS =
   R0479
   R0480
                                               = [$ADDRESS].
= [$ADDRESS].
                       C$A_CURR
C$A_PREV
                                                                               Pointer to current cell
                                                                               Pointer to previous cell
                        C$A_HEAD
                                                = [SADDRESS].
                                                                             ! Pointer to head of chain
                       SALIGN (FULLWORD)
                                                = [$INTEGER],
                                                                            ! Current cell flags
                        C$V_FLAGS
                            SOVERLAY (CSV_FLAGS)
   R0490
   R0491
                            C$V_IDNS
                                                = [$BIT]
                                                                            ! Identical string flag
   R0492
R0493
                            SCONTINUE
   R0494
R0495
                        TES:
   R0496
   R0497
                   LITERAL
                       C$K_LENGTH = $FIELD_SET_SIZE;
   R0498
```

```
NEXINI
V04-000
                     NDXINI -- Once only initialization and global d 16-Sep-1984 01:02:31 15-Sep-1984 22:53:26
                                                                                                                         VAX-11 Bliss-32 V4.0-742
_$255$DUA28:[RUNOFF.SRC]NDXPOL.REQ;1
   R0500
R0501
R0502
R0503
R0504
R0505
R0506
R0507
                      MACRO
                           $C_BLOCK = BLOCK [C$K_LENGTH] FIELD (C_FIELDS) %:
                      ! End of current entry
                        Dummy datasets
                      LITERAL
                           DS_X_ENTRY = XE$K_LENGTH,
DS_XX_ENTRY = XX$K_LENGTH,
DS_XM_ENTRY = XM$K_LENGTH,
DS_X_STRING = 0;
                        Structure definition for bucket array.
                                 Buckets are arranged so that each row represents the first letter of
                                 the string and each column represents the second letter of the string.
                                 This approach is used only for master indexes as no performance
                                 improvement is realised until about 10 input files have been processed.
    R0524
                                Indexes which are not master indexes use only the first element of each row, i.e., [0, 0] ... [26, 0].
    R0526
                                The only exception is for nonalphabetic characters which use only element [0, 0]. Elements [0, 1] ... [0, 26] are not used since mapping all nonalphabetics into one row loses the sort order of the first
   R0527
   R0528
   R0529
   R0530
                                 character in the string. For nonalphabetics to work correctly in a two
   R0531
                                 dimensional bucket scheme, the array would have to be at least 127 x 127
   R0532
   R0533
   R0534
                                      **
                                           not used
   R0535
   R0536
R0537
   R0538
   R0539
                                     Z? ZA
   R0540
   R0541
                     STRUCTURE
                           SBUCKET_ARRAY [ROW_IDX, COL_IDX; M, N] =
[M * N * XUPVAL] ($BUCKET_ARRAY + (ROW_IDX * N + COL_IDX) * XUPVAL);
   R0542
   R0543
   R0545
                      !--
                                 End of NDXPOL.REQ
```

ND:

NDXINI -- Once only initialization and global d 16-Sep-1984 01:02:31 14-Sep-1984 13:07:13 NDXINI V04-000 VAX-11 Bliss-32 V4.0-742 [RUNOFF.SRC]NDXINI.BLI;1 ND) Page 16 (2) 93 0546 1 REQUIRE 'REQ: PAGEN';

R060

R0604

sct_append

07-Mar-1983 Type of section: Chapter section. Index section. Appendix section. ND:

(1)

VAX-11 Bliss-32 V4.0-742 _\$255\$DUA28:[RUNOFF.SRCJPAGEN.REQ;1

```
ND:
```

```
B 10
16-Sep-1984 01:02:31
15-Sep-1984 22:53:51
                              NDXINI -- Once only initialization and global d
NDX1N1
V04-000
                                                                                                                                                                     VAX-11 Bliss-32 V4.0-742
_$255$DUA28:[RUNOFF.SRC]PAGEN.REQ;1
     R0605
R0606
R0607
R0608
R0609
R0610
R0611
R0615
R0615
R0615
R0616
R0621
R0623
R0623
R0625
R0626
R0627
                              LITERAL
                                     sct_low
sct_high
                                                                                                                         Lowest section type key.
Highest section type key.
                              MACRO
                                     sct_typ
sct_page_d
sct_sub_page
sct_number
sct_page
sct_subpg_d
sct_chapt_d
sct_appen_i
sct_index_d
                                                                                                                           Section Type (zero if none).
Display code for page number.
Subpage, if any (zero if none).
Type of section number.
Page number.
                                                               XBPVAL/2.
                                                                                           XBPVAL/2,
XBPVAL,
                                                                                                               0000000
                                                                                                                            Display code for subpages.
                                                                                                                            Display code for chapters.
                                                                                                                            Display code for appendices.
Display code if indexes.
                              MACRO
                                      sct_run_page = 3, %BPVAL/2, %BPVAL/2, 0 %; ! Running page number.
                                     page_definition = BLOCK [page_sct_size] %;
                                                                           End of PAGEN. REQ
```

ND VO

ND VO

NO VC

```
NDXINI
VO4-000
                                   NDXINI -- Once only initialization and global d 16-Sep-1984 01:02:31 GLOBAL ROUTINE NDXINI -- Once only initializati 14-Sep-1984 13:07:13
                                                                                                                                                                                                  VAX-11 Bliss-32 V4.0-742 [RUNOFF.SRC]NDXINI.BLI;1
                                                                                                                                                                                                                                                                                   Page (3)
                                                              XPLBLK [XPL$V_VALID] = FALSE;
$STR_DESC_INIT (DESCRIPTOR = XPLBLK [XPL$T_SORT], CLASS = DYNAMIC);
$STR_DESC_INIT (DESCRIPTOR = XPLBLK [XPL$T_APPEND], CLASS = DYNAMIC);
      0771
0772
0773
0774
0775
0776
0777
0778
0779
0781
0782
0783
                                                                  Initialize string descriptors used to build a page of output
                                                              INCR I FROM 0 TO MAXLIN + 1 DO

BEGIN

SSTR_DESC_INIT (DESCRIPTOR = LLINES [.1, 0,0,0,0], CLASS = DYNAMIC);

SSTR_DESC_INIT (DESCRIPTOR = RLINES [.1, 0,0,0,0], CLASS = DYNAMIC);

SSTR_DESC_INIT (DESCRIPTOR = TLINES [.1, 0,0,0,0], CLASS = DYNAMIC);
                                                              END:
                                                                                                                                                                    .TITLE NDXINI NDXINI -- Once only initialization and g
                                                                                                                                                                                                      lobal d
                                                                                                                                                                                     \V04-000\
                                                                                                                                                                     . IDENT
                                                                                                                                                                    .PSECT $GLOBAL$, NOEXE, 2
                                                                                                                                                                                      244
80
20
                                                                                                                                      00000 OUTIOB::.BLKB
                                                                                                                                     000F4 CMDBLK::.BLKB
                                                                                                                                     00144 XPLBLK::.BLKB
00158 PAGEN:: .BLKB
00168 BUCKET::.BLKB
                                                                                                                                                                                     16
2916
                                                                                                                                    OOCCC LSTPTR::.BLKB
OOCDO INDLVL::.BLKB
OOCD4 LSTSTK::.BLKB
OODOO NDXPOL::.LONG
                                                                                                               00000000
                                                                                                              00D04 NDXSGE::.LONG
00D08 NDXSGF::.LONG
                                                                                                                                     OODOC XTNPOL::.LONG
OOD10 XTNCNT::.LONG
                                                                                                                                     00D14 XTNLSP::.LONG
00D18 XTNLSX::.LONG
                                                                                                                                    OOD1C XTNSGP::LONG
OOD2O XTNTAB::LONG
OOD24 XPAGEN::LONG
OOD28 BOOKID::LONG
                                                                                                                                                BOOKID::LONG
PAGENO::LONG
ALLOWD::BLKB
LCOUNT::BLKB
RCOUNT::BLKB
                                                                                                                                    00D2C PAGENO::LONG
00D3O ALLOWD::BLKB
00D34 LCOUNT::BLKB
00D38 RCOUNT::BLKB
00D3C TCOUNT::BLKB
00D40 LTYPE::BLKB
                                                                                                                                    00E88 LLINES::.BLKB
01118 RTYPE::.BLKB
01260 RLINES::.BLKB
014F0 TTYPE::.BLKB
01638 TLINES::.BLKB
                                                                                                                                                   TAB==
                                                                                                                                                   TMSCOL==
                                                                                                                                                  RINTES==
```

ND VO

NDX1N1	NDXINI Once	only in	nitialization	and g	lobal d	G 10 16-Sep-1984 01:0 14-Sep-1984 13:0	2:31 VAX-11 Bliss-32 V4.0-742 7:13 [RUNOFF.SRC]NDXINI.BLI;1	Page 2
V04-000	GLOBAL ROUTINE	NDXINI	Once only	initi	lizati	MAXLST== MAXLIN== SSTRSDESC= SSTRSDESC= SSTRSBIN_DESC= SSTRSBIN_DESC= SSTRSDESC= SSTRSDESC= SSTRSBIN_DESC=	10 80 CMDBLK+32 CMDBLK+40 CMDBLK+40 CMDBLK+48 CMDBLK+56 CMDBLK+56 CMDBLK+72 CMDBLK+72 CMDBLK+72 CMDBLK+64 XPLBLK+4 XPLBLK+4	Page (3)
						.PSECT		
			52 00000000	EF OC	9E 000	00 .ENTRY 02 MOVAB	NDXINI, Save R2 CMDBLK, R2	: 0715
		20	A2 020E0000	EF2 842 842 842 842 842 842	9E 000 9E 000 D4 000 D4 000 D4 000 D4 000 D4 000 D4 000 D4 000 D4 000 D4 000	DB MOVL	CMDBLK, R2 CMDBLK #34471936, \$STR\$DESC \$STR\$DESC+4 #34471936, \$STR\$DESC \$STR\$DESC+4 #34471936, \$STR\$DESC \$STR\$DESC+4 #34471936, \$STR\$DESC	0753 0753
		28	A2 020E0000	8F	DO 000	CLRL MOVL	#34471936, \$STR\$DESC	0754
		30	A2 020E0000	8F	DO 000	1 MOVL 29 CLRL	#34471936, \$STR\$DESC \$STR\$DESC+4	0755
		38	A2 020E0000	8F A2	DO 000	Č MÖVL 34 CLRL	#34471936, \$STR\$DESC \$STR\$DESC+4	0756
		48	A2 020E0000	8F A2	DO 000	F MOVL	#34471936, \$STR\$DESC \$STR\$DESC+4	0757
		40	A2 020E0000	A2	DO 0004	A CLRL	#34471936, \$STR\$DESC \$STR\$DESC+4	0766
		50 54	A2 020E0000	8F	DO 000	D BICB2	#34471936, \$STR\$DESC	0771 0772
		5C	A2 02CE0000	BF A2	000	C MOVL	#34471936, \$STR\$DESC \$STR\$DESC+4 #34471936, \$STR\$DESC \$STR\$DESC+4 #1, XPLBLK #34471936, \$STR\$DESC \$STR\$DESC+4 #34471936, \$STR\$DESC \$STR\$DESC+4	0773
			51 020E0000	8F 8A2 8A2 8A2 8A2 8A2 8A2 8A2 8A2 8A2 8A2	DO 0000 D4 0000	MOVL CLRL MOVL CLRL BICB2 MOVL CLRL MOVL CLRL CLRL CLRL CLRL CLRL CLRL CLRL CL	LLINES[1], R1 #34471936, (R1)	0778 0780
			04	A1	7E 000	6 CLRL	4(R1) RLINES[I], R1 #34471936, (R1)	0781
			51 020E0000 61 020E0000	8F A1	DO 000	7F MOVL S6 CLRL	#34471936, (R1) 4(R1)	
			51 1544 61 020E0000	C240 8F	7E 000	MOVAQ MOVL	4(R1) TLINES[I], R1 #34471936, (R1)	0782
	CB		50 00000051	8F	F3 000	PO CLRL PO AOBLEQ N1 RET	4(R1)	0778 0785

; Routine Size: 162 bytes, Routine Base: \$CODE\$ + 0000

NDXINI -- Once only initialization and global d 16-Sep-1984 01:02:31 GLOBAL ROUTINE NDXINI -- Once only initializati 14-Sep-1984 13:07:13 NDXINI V04-000 VAX-11 Bliss-32 V4.0-742 ERUNOFF.SRCJNDXINI.BLI;1 254 255 256 ! End of module **PSECT SUMMARY** Attributes Name Bytes \$GLOBAL\$ \$CODE\$ NOVEC, WRT, RD .NOEXE.NOSHR. LCL. NOVEC.NOWRT, RD . EXE.NOSHR. LCL. NOVEC.NOWRT,NORD .NOEXE.NOSHR, LCL. 6344 162 0 CON, NOPIC, ALIGN(2) CON, NOPIC, ALIGN(2) CON, NOPIC, ALIGN(0) REL. REL. ABS. . ABS Library Statistics ----- Symbols -----Processing Pages File Total Loaded Percent Mapped Time _\$255\$DUA28:[SYSLIB]XPORT.L32:1 590 130 22 252 00:00.2 COMMAND QUALIFIERS BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$:NDXINI/OBJ=OBJ\$:NDXINI MSRC\$:NDXINI/UPDATE=(ENH\$:NDXINI) 162 code + 6344 data bytes 00:30.9 01:03.4 1530 Size: Run Time: Elapsed Time: Lines/CPU Min: Lexemes/CPU-Min: 89295 Memory Used: 155 pages Compilation Complete

ND VO

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